



Certificate of Analysis

Activin A Protein, Mouse (HEK 293, His)

Cat. No.:	HY-P73241
Batch No.:	353488
Species:	Mouse
Source:	HEK293
Tag:	C-His
Accession:	Q3UY39 (S21-S424)
Gene ID:	16323
Molecular Weight:	Approximately 18&43 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using HT-29 human colon cancer cell. The ED ₅₀ for this effect is 6.407 ng/mL, corresponding to a specific activity is 1.561×10 ⁵ units/mg.	PASS
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

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